



# EXPERIENCE NORTHLAND AEROSPACE

April 11, 2024 | 9AM - 2PM

Student Event | Grades 7-12



National Center for  
Autonomous Technologies

## Join us on April 11, 2024 to Experience Northland Aerospace in Thief River Falls, MN!

Brought to you by Northland Community and Technical College and the National Center for Autonomous Technologies (NCAT), this event is open to students (grades 7-12) and teachers and offers a variety of 50-minute hands-on learning activities directly related to Northland Aerospace programs. Students can choose to attend one session or make it a day-trip and attend all of the sessions. All sessions are 100% cost-free!

### 50-MINUTE WORKSHOPS

Workshop A - Fundamentals of Composites

Workshop B - Discover Northland Aerospace II- Swenson Hangar

Workshop C - Discover Northland Aerospace I- Autonomous

Workshop D - STEAM Electrical and Automation

Workshop E - Discover Industrial Design

Workshop F - Real Flight & Flight Sims

Workshop G- Explore Animal Science & Technology

Workshop H- Build a NewBee Drone

Workshop I- DroneTECH World of Drones

Workshop J- Electronics Concepts with Spintronics

Workshop K- Learn to solder- Build a Bug

Workshops will kick-off at 9:00AM and run on the top of each hour until 2:00PM. We ask that you arrive at least 15 minutes prior to the workshop start-time to allow enough time for check-in.

### REGISTRATION

If you are a teacher who is bringing a large group of students, you can use the Online Student Registration Form OR you may use the **Class Registration Form** included and email it to [ncat@northlandcollege.edu](mailto:ncat@northlandcollege.edu). Most 50-minute workshops have a maximum capacity of 20 students with the exception of a few. **Registration closes on April 1, 2024 or when full.**

For more information, visit: [ncatech.org/northland-aerospace](https://ncatech.org/northland-aerospace).



# EXPERIENCE NORTHLAND AEROSPACE

**April 11, 2024 | 5PM - 8PM**

COMMUNITY OPEN HOUSE EVENT



National Center for  
Autonomous Technologies

**We invite the community to join us on April 11, 2024 from 5PM - 8PM to Experience the Northland Aerospace in Thief River Falls, Minnesota.**

Come in and discover the high-tech programs that Northland Aerospace has to offer! Our 86,000 square foot facility features a state-of-the-art hangar, housing over 20 aircraft including a DC-9 that was owned and donated by the Detroit Pistons NBA team! This is not your typical open house event. While we will have all the information you need about how to enroll into a Northland program, this open house event is really about the Northland Aerospace Experience. Prepare to launch yourself into a typical day for a Northland Aerospace student!

Whether you are a community member who's never seen the Aerospace campus, a high school student who's interested in learning more about Northland's technical programs, or a Northland Alumni looking to revisit the 'good old days', this event has something for everyone! Join us and experience Northland Aerospace.

## **ACTIVITIES WILL INCLUDE:**

- Hop inside the cockpit of an aircraft.
- Roll up your sleeves and rivet joints on an aircraft.
- Dive into the world of virtual reality and fly a race drone.
- Fly a drone through the REC's Aerial Drone Competition course.
- Design and fly a paper airplane.
- Learn about basic electricity with Spintronics games.
- Build drones/airplanes with Legos.

**\*\*This is a cost-free event for all ages and is open to the public.**

**Northland Aerospace | 13892 Airport Drive | TRF, MN | Next to TRF Airport**

**For more information, visit: [ncatech.org/experience-northland-aerospace](https://ncatech.org/experience-northland-aerospace).**